

# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 25] नई विल्ली, शनिवार, जून 23, 1979 (आषाढ़ 2, 1901)

No. 25] NEW DELHI, SATURDAY, JUNE 23, 1979 (ASADHA 2, 1901)

इस भाग में भिन्न पृष्ठ संख्या की जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

#### PART III—SECTION 2

पेटेन्ट ऋणालिय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE,  
Patents & Designs,  
Calcutta, the 23rd June 1979

#### CORRIGENDUM

In the Gazette of India, Part III, Section-2 dated the 31st March, 1979 under the heading "Name Index" at page 204, column 2 Against Council of Scientific and Industrial Research for No 968/Del/79 read 968/Del/78.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

16th May, 1979

507/Cal/79. American Standard Inc. Railway vehicle brake apparatus arranged to accommodate reduced emergency reservoir volume.

508/Cal/79. American Standard Inc. Poppet valve type brake control valve device.

509/Cal/79. American Standard Inc. Dynamic friction brake blending control system.

510/Cal/79. Arun Krishna Mitra. Hard, slow release antacid material and method of preparing the same

17th May 1979

511/Cal/79. Dilip Kumar Chatterjee. Advertising machine.

512/Cal/79. Robert Bosch GMBH. Fuel injection pump for internal combustion engines. (May 17, 1978).

513/Cal/79. Stanadyne, Inc. Timing control for fuel injection pump.

514/Cal/79. Burroughs Corporation. Method of forming a plastic cavity package for integrated circuit devices.

18th May 1979

515/Cal/79. Mundipharma AG. Method for preparing a sunscreen compound. [Divisional date October 15, 1977]

516/Cal/79. Aktiebolaget IRO. Thread-storage and delivery device.

517/Cal/79. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Acyl derivatives.

518/Cal/79. L. M. Davis and J. V. Theis. Controllable kite

519/Cal/79. Chinoim Gyogyszeli FS Vegyeszeti Termekek Gyara RT. New antiphlogistic and anti-coagulant condensed pyrimidine derivatives, a process for the preparation thereof and pharmaceutical compositions containing the same compounds. [Divisional date November 9, 1976].

520/Cal/79. Combustion Engineering, Inc. Coal fired fluid bed module for a single elevation style fluid bed power plant.

521/Cal/79. Burroughs Corporation. Touch panel and operating system.

19th May 1979

522/Cal/79. Pennzoil Company. Preparation of monocalcium phosphate and phosphoric acid

523/Cal/79. Losinger AG. Method of securing a sleeve on highly tensile smooth wires, rods or strands.

21st May 1979

524/Cal/79. Burroughs Corporation. Defect tolerance scheme for a bubble lattice file.

525 Cal/79. Medicor Murek. Apparatus for supplying high power electric loads operated in a pulse-like manner, especially for X-ray equipments.

526/Cal/79. Snia Viscosa Societa' Nazionale Industria Applicazioni Viscosa s.p.a. Process for the production of crimped regenerated cellulose fibres having a high wet modulus.

22nd May 1979

527/Cal/79. Dr. Niharendubikas Sinha. Plantarin Plantarin-T.

528/Cal/79. Bunker Ramo Corporation. Coaxial connector center conductor captivation with electrical compensation.

529/Cal/79. O. Brunn. Combination furniture.

530/Cal/79. The B. F. Goodrich Company. Process for coating reactors using steam application.

23rd May 1979

531/Cal/79. Lucas Industries Limited. Vehicle headlamp. (May 23, 1978).

532/Cal/79. British Railways Board. Maintenance of railway track. (May 23, 1978).

533/Cal/79. Vacmetal Gesellschaft fur Vakuum-Metallurgie mbH. Apparatus for vacuum treatment of metal melts. (May 4, 1979).

534/Cal/79. Institut Neftekhimicheskikh Protsessov Imeni Akademika JU.G. Mamedalieva Akademii Nauk Azerbaidezhanskoi SSR. Method for preparing  $\alpha$ -naphthol.

535/Cal/79. Vsesojuzny Nauchno-Issledovatel'sky Institut Tekhnicheskogo Ugleroda. Method of isolating Carbon black from carbon-black aerosol and a filter for carrying same into effect.

536/Cal/79. Dunlop India Limited. Type/tube assembly. [Addition to No. 409/Cal/79].

#### APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

1st May 1979

285/Del/79. Science Union Et Cie, Societe Francaise De Recherche Medicale. Process for producing novel aryl (trifluoroethyl) amines. [Divisional date June 4, 1977].

286 Del/79. Science Union Et Cie, Societe Francaise De Recherche medicale. Process for producing novel aryl (trifluoroethyl) amines. [Divisional date June 4, 1977].

287/Del/79. Science Union Et Cie, Societe Francaise De Recherche Medicale. Process for the preparation of  $\alpha$ -aryl trifluoroethylamines. [Divisional date June 4, 1977].

288/Del/79. Science Union Et Cie, Societe Francaise De Recherche medicale. Process for the preparation of  $\alpha$ -aryl trifluoroethylamines. [Divisional date June 4, 1977].

289/Del/79. Biwater Shellabear Limited. Water treatment unit. (May 4, 1978)

290/Del/79. The Bendix Corporation. Electrical contact and method of making.

291/Del/79. Carrier Corporation. Tube extracting mechanism.

2nd May 1979

292/Del/79. Polysius AG. A shaft-type countercurrent heat exchanger.

293/Del/79. Pfizer Inc. Novel aminothiazoles.

3rd May 1979

294/Del/79. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Wind machine for generating electric current.

295/Del/79. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Wind wheel.

4th May 1979

296 Del/79. The General Electric Company Limited. Comparators employing magneto-electric devices. (May 15, 1978).

297/Del/79. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. A method of constructing vanes, particularly of wind wheels.

298/Del/79. Eastman Kodak Company. Polymerization reactor.

299/Del/79. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Wind wheel.

300/Del/79. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Method and apparatus for forming plastics vanes, particularly for wind machines.

5th May 1979

301/Del/79. Research Analysis & Development, Incorporated. Improvements in and relating to data acquisition and processing systems.

7th May 1979

302/Del/79. R. M. Tayal. Process for the preparation of resinous plastic sheet material.

303/Del/79. Ina Rodamientos DE Aguas, S. A. -Improvements in the drawing train of continuous spinning machines for natural or artificial fibers.

#### APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

14th May 1979

83/Mas/79. K. C. Bhatt. Detection system.

84/Mas/79. K. S. Bhat. Perpetual dial calendar.

16th May 1979

85 Mas/79. S. Kunchithapadam. Harvesting paddy.

17th May 1979

86/Mas/79 A. Muralidharan, A. A. Nambiar & Sons and G. Badagara. Murali timer.

18th May 1979

87/Mas/79. Shri M. Verghese. Burner.

#### ALTERATION OF DATE

146511.

1451/Cal 77. Ante-date 20th November, 1975.

146512.

1668/Cal/77. Ante-date 13th April, 1976.

146521.

1239/Cal/77. Ante-date 19th March, 1975.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents

Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

The classifications given below in respect of each specifications are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that Office.

Class 107F. 146501.  
Int. Cl.-F02p 13/00.

#### IMPROVEMENTS IN GLOW PLUGS FOR INTERNAL COMBUSTION ENGINE.

*Applicant*: ROBERT BOSCH GMBH, OF POSTFACH 50, 7000 STUTTGART 1, WEST GERMANY.

*Inventors*: LEO STEINKF, AND JOSEF TOSCH.

Appropriate office for opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A method of manufacturing a glow plug for an internal combustion engine, whereby a thin-walled, non-scaling metallic heating-rod shell, in which there is provided a heating filament embedded in an electrically insulating filling compound having good properties of thermal conduction, is clamped by means of radial pressure rigidly and sealingly in a collet-type mounting whilst the terminal end of the metallic shell of the heating rod is inserted into the longitudinal bore of the metallic housing of the glow plug, the terminal end of the metallic shell of the heating rod and the combustion-chamber-end portion of the longitudinal bore of the housing from which tooling marks have been removed, being brought together and pressed a predetermined distance one inside the other, the diameter of the metallic shell being oversize with respect to the diameter of the longitudinal bore of the housing and thus providing an interference fit.

CLASS 127A. 146502.

Int. Cl.-F16d 11/00.

#### FLUID ACTUATED OPERATOR AND CLUTCH LINKAGE.

*Applicant*: DANA CORPORATION, OF 4500 DORR STREET, TOLEDO, OHIO, UNITED STATES OF AMERICA.

*Inventors*: WILLIAM HOWARD SINK AND RUSSELL LAMAR MITCHNER.

Application No. 371/Cal/77 filed March 14, 1977.

Appropriate office for opposition Proceeding Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A clutch operating apparatus for a vehicle having a clutch connected to a clutch operating linkage, a clutch pedal connected to a clutch pedal linkage, a source of fluid under

pressure and a fluid actuated operator, the fluid actuated operator comprising:

a housing; a sleeve internal of said housing and adapted for connection to the clutch pedal linkage, said sleeve having a first fluid passage means with both ends axially spaced apart and in fluid communication with the axial bore of said sleeve; an operator rod having one end adapted for connection to the clutch operating linkage and the other end extending through the wall of said housing and the axial bore of said sleeve, said operator rod having a first fluid passage connected at one end to the source of fluid under pressure and in fluid communication with the exterior of said operator rod at the other end internal of said housing and a second fluid passage internal of said housing with one end in fluid communication with the exterior of said operator rod and axially spaced from said other end of said first fluid passage of said operator rod; and means responsive to fluid under pressure for moving said operator rod in an axial direction, said fluid pressure responsive means internal of said housing and attached to said operator rod and to said housing to form a first cavity in fluid communication with the other end of said second fluid passage of said operator rod whereby actuation of the clutch pedal in a first direction moves said sleeve to position each end of said first fluid passage of said sleeve in registry with a corresponding one of the ends of said first and second fluid passages in fluid communication with the exterior of said operator rod to connect the source of fluid under pressure to said cavity.

CLASS 85R & 108B.a. 146053

Int. Cl.-F27b 1/20.

#### A SHAFT FURNACE AND A METHOD FOR DISCHARGING FURNACE PRODUCT FROM A SHAFT FURNACE.

*Applicant*: NIPPON STEEL CORPORATION, OF No. 6-3, 2-CHOME, OTS-MACHI, CHIYODAKU, TOKYO, JAPAN.

*Inventors*: SATORU MIWASITA, MASAHIKO TANIGUCHI AND KATSUYOSHI KOBAYASHI.

Application No. 436/Cal/77 filed March 24, 1977.

Appropriate office for opposition Proceeding Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A method for discharging a furnace product from a shaft furnace where a furnace feed is charged to the upper portion of the shaft furnace and a furnace product is discharged from the furnace bottom, comprising allowing the furnace product in the furnace to flow down by gravity through an opening formed between a furnace wall lower end and the furnace bottom to form an accumulation on a circumferential portion of the furnace bottom according to a reposing angle inherent to the furnace product, and raking out the accumulation from the circumferential portion of the furnace bottom.

CLASS 35E. 146504

Int. Cl.-C04b 35/10.

#### PROCESS FOR PREPARING REFRactory SUITABLE FOR THE MANUFACTURE OF SLIDING AND FIXED PLATES FOR USE IN SLIDING GATE VALVE SYSTEM.

*Applicant & Inventor*: SHYAM SUNDAR GHOSE, OF BELPAHAR REFRactories LTD., OF BELPAHAR, ORISSA, INDIA.

Application No. 1330/Cal/77 filed August 25, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for preparing refractory suitable for the manufacture of sliding and fixed plates for use in sliding gate valve system in the teeming of steel characterized by mixing

45-75% of electric-fused alumina, 5-20% raw or calcined diaspore, 5 to 20% fireclay greg. 10 to 20% raw kyanite powder & to 20% bond clay and 0.5 to 1.0% phosphate bond with sufficient water to obtain a mouldable composition, moulding the same into shapes and thereafter firing the same at temperatures of 1500°—1600°C to obtain the desired properties as herein defined.

CLASS 154D. 146505

Int. Cl.-G06c 11/04.

A ROTARY ELECTRICAL DISCHARGE PRINTER AND A METHOD OF PRODUCING ALPHANUMERIC CHARACTERS USING THE SAME.

*Applicant*: SCI SYSTEMS, INC., ONE 8620 SOUTH MEMORIAL PARKWAY, HUNTSVILLE, ALABAMA 35802, UNITED STATES OF AMERICA.

*Inventors*: OLIN BERRY KING, AND DARWIN EDWARD PHILLIPS.

Application No. 1627/Cal 76 filed September 4, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

45 Claims.

A rotary electrical discharge printer comprising a rotor, means for rotating said rotor, a plurality of angularly-spaced stylus heads secured to said rotor, feed means for moving electrical discharge-sensitive sheet recording material past said rotor in a direction transverse to the direction of rotation of said rotor with said stylus contacting said sheet, each of said heads including a plurality of axially-spaced stylus, and control means for selectively energizing said stylus to cause each stylus to form a dot on said sheet at selected locations and thereby form images from rows and columns of such dots.

CLASS 136F. 146506

Int. Cl.-B28b 7,00.

METHOD OF MANUFACTURING A MOULD FOR PRODUCING A LAMP LENS ELEMENT AND A MOULD THEREBY.

*Applicant*: LUCAS INDUSTRIES LIMITED OF GREAT KING STREET, BIRMINGHAM B19 2NE, ENGLAND.

*Inventor*: STANLEY GREEN.

Application No. 1605 Cal 76 filed August 31, 1976.

Convention date September 20, 1975/(38691/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

30 Claims.

A method of manufacturing a mould for producing a lamp lens element, comprising effecting a cutting operation using a rotating cutter to cut a plurality of recesses in one face of a mould plate, each said recess being adapted to produce a projection or recess on one face of the said lens element and being shaped so as to define in said projection or recess a lens integral with and overlying a prism.

CLASS 29A. 146507.

Int. Cl.-G06f 15/00.

ARRANGEMENT FOR SUPERVISING CLOCK SIGNALS IN DIGITAL DATA SYSTEMS.

*Applicant*: TELEFONAKTIEBOLAGET L M ERICSSON, ONE S 126 25 STOCKHOLM, SWEDEN.

*Inventors*: JENS ERIK AND PERSSON AND BAROLO VALASTRO.

Application No. 1665 Cal/76 filed September 9, 1976.

Convention date September 29, 1975 (PC 3364/75) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An arrangement for supervising clock signals in digital data systems of the type comprising registers through which data are stepped, the registers being continuously fed by said clock signals capable of permitting said data stepping in the registers, characterized in that each one of said registers is connected to a supervision flip-flop that has a first input, a second input and an output, said supervision flip-flops being connected to each other and forming a chain and the output of each one of the flip-flops being connected to said first input of the subsequent flip-flop, the first input of the first flip-flop of said chain being connected to a generator generating a supervision bit and the output of the last flip-flop of the chain being connected to a control apparatus, said second inputs of the flip-flops being connected to a generating source producing said clock pulse signals used for the stepping of data from register to register, the flip-flops being operable by said clock pulse signals and capable of giving information from said supervision bit generator to said control apparatus through the mentioned chain, said control apparatus supplying said supervision bit after each stepping through the supervision chain without error, with its inverted value to the flip-flop associated with the first register.

CLASS 65A, & A1. 146508

Int. Cl.-H02m 7/00.

IMPROVEMENTS IN OR RELATING TO A.D.C. TO D.C. CONVERTER.

*Applicant*: SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

*Inventor*: LOVRO VUKASOVIC.

Application No. 1676/Cal/76 filed September 13, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A d.c. to a.c. converter including an inverter having a smoothing choke at its input side and the inverter comprising controllable rectifier elements in bridge connection between two d.c. inputs, the bridge connection comprising two electrically parallel paths between the two d.c. inputs, each path comprising two arms of the bridge connection and two points between the bridge arms in the said two paths providing two a.c. outputs for the inverter bridge connection, the converter also comprising an auxiliary commutating arrangement for said controllable rectifier elements, the auxiliary commutating arrangement having two parts: a first part comprising first and second further controllable rectifier elements which are connected together in series across one of said two paths, these first and second further controllable rectifier elements being poled in the same direction as the two controllable rectifier elements in said one path, and a first commutating capacitor connected in the path from the interconnection between the first and second further controllable rectifier elements to a point between the two bridge arms in said one path; the auxiliary commutating arrangement further having: a second part comprising third and fourth further controllable rectifier elements which are connected together in series across the other of said two paths, these third and fourth further controllable rectifier elements being poled in the same direction as the two controllable rectifier elements in said other path, and a second commutating capacitor connected in the path from the interconnection between the third and fourth further controllable rectifier elements to a point between the two bridge arms in said other path.

CLASS 127-I. 146509.

Int. Cl.-F16d 1/00.

A FLEXIBLE ELASTIC COUPLING JOINT.

*Applicant*: KLEIN, SCHANZLIN & BECKER A.G., OF 6710 FRANKENTHAL (Pfalz) POSTFACH 225, JOHANN-KLEIN-STRASSE 9, FEDERAL REPUBLIC OF GERMANY.

Inventor DR ING ROBERT DERRIDDE

Application No 1773/Cal/76 filed September 25, 1976

Appropriate office for opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office Calcutta

19 Claims

A flexible coupling particularly for transmission of torque to rotary parts of a pump comprising coaxial first and second rotary members having first and second flanges which are adjacent to each other at least said first flange being elastically deformable, said flanges being fastened to each other so that rotation of one of said members results in the transmission of torque to the other of said members through the medium of fastening means, and first and second thrust transmitting elements respectively provided in said first and second rotary members and surrounded by the respective flanges and elements having abutting faces which are in substantial point contact with each other in the region of the common axis of said rotary members and bear against each other with a predetermined force acting in the axial direction of said rotary members.

CLASS 23H &amp; 64B &amp; 179F

146510

Int Cl F02g 3/00

## PILFER PROOF METER BOX

Applicant & Inventor RITABRATA SANYAL H  
TYPE GOVT QUARTERS, 14, BELIAGHATA ROAD  
CALCUTTA-15, WEST BENGAL, INDIA

Application No 2187/Cal/76 filed December 13, 1976  
Complete Specification left December 9, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

7 Claims

A pilfer proof meter box characterised in that it is provided with a flush door and a glass window portion therein and a locking means comprising a lever and a spring which locks with a complimentary device provided on the body of the box as the flush door is pressed in position.

CLASS 32D

146511

Int Cl C07f 7/22

## PROCESS FOR THE PREPARATION OF TETRA-SUBSTITUTED ORGANOTIN COMPOUNDS

Applicant UNIVERSAL POLYMER CORP  
THE AMERICAS NEW YORK NEW YORK 100  
UNITED STATES OF AMERICA

Inv. ERIC J. LEE, RONK WICH, JR.  
LOOMIS, HUBER, LARSON & WARD CO.  
NAME, JR.

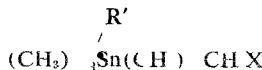
Application No 1451/Cal/77 filed September 2, 1977

Division of Application No 2219/Cal/75 filed November 20, 1975

Appropriate office for opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office, Calcutta

3 Claims

A process for the preparation of a tetra substituted organotin compound having the general formula



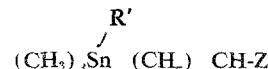
wherein

R is hydrogen hydroxyl alkoxyl or a straight chain or branched alkyl group having 1 to 5 carbon atoms, X is (a)  $-\text{SO}_2\text{R}_1$ , R being hydrogen and wherein R<sub>1</sub> is a straight chain or branched alkyl having 1 to 18 carbon atoms, cyclohexyl benzyl phenyl or phenyl substituted with one or more groups which may be the same or different and which may be linear or branched having 1 to 20 carbon atoms, cycloaliphatic having 4 to 6 carbon atoms, straight chain or branched alkenyl having 2 to 20 carbon atoms, alkoxy having 1 to 8 carbon atoms, phenoxy, alkylthio

having 1 to 8 carbon atoms, halogen, nitro, acetyl, acetamido, carboxy, alkoxycarbonyl, carbamoyl, cyano, hydroxy, trifluoromethyl benzyl naphthyl or norbornyl, naphthyl, biphenyl, piperidino ethylmethoxide,  $-\text{R}_2\text{Sn}(\text{CH}_2)_n$  wherein R<sub>2</sub> is polymethylene having from 2 to 11 carbon atoms,  $\text{R}_3\text{SO}_2\text{R}_4\text{Sn}(\text{CH}_2)_n$  wherein R<sub>4</sub> is ethylene and R<sub>3</sub> is a defined for R above,

(b) OR wherein R is a straight chain or branched alkyl having 1 to 20 carbon atoms, haloalkyl, aryl, haloaryl, alkaryl, alkoxyaryl, epoxyalkylene wherein the alkylene group has 2 to 4 carbon atoms, N,N-dialkylaminoalkyl, tetrahydro 1,1-dioxo 3-thienyl,  $-\text{R}_5\text{Sn}(\text{CH}_2)_n$  wherein R<sub>5</sub> is alkene having 2 to 11 carbon atoms cycloaliphatic having 4 to 6 carbon atoms or aryl,

(c) SR' R being hydrogen, and wherein R' is a straight chain or branched alkyl having 1 to 18 carbon atoms, cyclohexyl benzyl, phenyl or phenyl substituted with one or more groups which may be the same or different and which may be linear or branched alkyl having 1 to 20 carbon atoms cycloaliphatic having 4 to 6 carbon atoms, straight chain or branched alkenyl having 2 to 20 carbon atoms alkoxy having 1 to 8 carbon atoms, halogen, nitro, acetyl, acetamido, carboxy, alkoxycarbonyl, carbamoyl, cyano, hydroxy, trifluoromethyl,  $-\text{R}_6\text{Sn}(\text{CH}_2)_n$  wherein P is  $\text{R}_6\text{Sn}(\text{CH}_2)_n$  having 2 to 11 carbon atoms,  $-\text{R}_7\text{SO}_2\text{R}_8\text{Sn}(\text{CH}_2)_n$  wherein R<sub>7</sub> is ethylene and R<sub>8</sub> is defined for R above, and n is an integer from 2 to 10, characterized by reacting (1) a haloalkyltrimethylstannane of the formula



wherein Z is a halogen selected from chlorine bromine and iodine with (2) a compound selected from AlkSO<sub>2</sub>R, AlkOR', and AlkSR', wherein R<sub>1</sub>, R and R<sub>2</sub> are as defined above, and wherein Alk is selected from sodium, potassium and lithium in the presence of a phase transfer catalyst selected from ammonium or phosphonium chlorides, bromides or iodides at a temperature of 20° to 120°C for 0.5 to 24 hours

CLASS 60F &amp; 62D

146512

Int Cl D06c 19/00, D06j 1/00

## METHOD OF MANUFACTURING TWILL FABRICS

Applicant L.V. STRAUSS & CO OF TWO EMBARCADERO CLINIC SAN FRANCISCO, CALIFORNIA  
UNITED STATES OF AMERICA

Inv. MARIN HAKANSON

Application No 1668/C 1/77 filed December 1, 1977  
Complete Specification left May 6, 1975/(19023/75) UK  
Division of Application No 627/Cal/76 filed April 13, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

6 Claims

A method of manufacturing twill fabrics for use in the manufacture of products to be laundered comprising the steps of weaving the fabric having a given twill direction on a loom, and, during preparation and finishing skewing the fabric so that its edge in the direction of the twill is advanced with respect to the opposite edge at least 3 percent of the width of the fabric, maintaining the skew in the fabric through all subsequent finishing steps

CLASS 134D

146513

Int Cl B62d 1/00

## SPEED RESPONSIVE TAG AXLE CONTROL SYSTEM FOR A MOTOR VEHICLE

Applicant ASPRO INC OF THE RIVERSIDE BUILDING, WESTPORT CONNECTICUT 06880, UNITED STATES OF AMERICA

Inventor WILLIAM CHARLES EDDY, JR.,

Application No 1385/Cal/76 filed August 3, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

#### 9 Claims

A traction control system for a motor vehicle including a chassis frame, comprising

(a) a pair of driven wheels connected by a differential mechanism, said driven wheels being arranged on opposite sides of the chassis frame,

(b) means connecting said driven wheels with said chassis frame to support said frame relative to fixed surface,

(c) liftable axle means connected with said chassis frame for transferring the vehicle load to and from said driven wheels, respectively, said liftable axle means including

(1) a pair of non-driven liftable axle wheels connected by a horizontal liftable axle, said non-driven wheels being arranged for engagement with said fixed surface adjacent said driven wheels on opposite sides of the chassis frame,

(2) means connecting said liftable axle with said chassis frame for vertical pivotal movement about a horizontal pivot axis parallel with said liftable axle;

(3) pressure fluid motor means connected between said liftable axle and said chassis frame, and

(4) means normally supplying pressure fluid to said motor means to pivot said liftable axle in a direction to transfer the vehicle load from said driven wheels to said liftable axle wheels,

(d) first and second brake means associated with said driven wheels, respectively,

(e) at least two velocity sensing means for generating velocity signal voltages that are a function of the instantaneous rotational velocities of said driven wheels, respectively, and

(f) comparison circuit means operable when one signal voltage exceeds the other by a predetermined amount upon the overruning of one driven wheel relative to the other for simultaneously

(1) actuating the brake means associated with the faster driven wheel, and

(2) reducing the fluid pressure of said motor means to transfer vehicle load to said driven wheels

CLASS 163A & F

146514

Int Cl -F01c 1/00

#### SLIDING VANE ROTARY PUMPS

*Applicant* SPERRY RAND CORPORATION, OF CROOKS AND MAPLE ROADS, TROY, STATE OF MICHIGAN 48084, UNITED STATES OF AMERICA

*Inventors* ALBIN JOSEPH NIEMIEC AND RAYMOND BRUCE PETTIBONE

Application No 1955/Cal/76 filed October 27, 1976

Convention date September 8, 1976/(260,713/76) CANADA

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

#### 5 Claims No drawings

A sliding vane rotary pump comprising a housing having a working fluid inlet and a working fluid outlet, a driveshaft journaled in the housing, a cam ring secured in the housing, a rotor situated in the housing and driven by the shaft, the rotor carrying a plurality of slideable vanes whose outer ends are in sliding contact with the cam ring, the inlet and outlet being in communication with the inter-vane chambers, and a flexible cheek plate having a first face adjacent an end face of the rotor and a side edge of each of the vanes and a second face adjacent the housing, the first face of the cheek plate having therein fluid outlet openings disposed so as to communicate with under vane spaces over

the arcs through which the vanes move radially outwardly and fluid discharge grooves disposed so as to communicate with the under vane spaces over the arcs through which the vanes move radially inwardly, hydrostatic pressure pockets being disposed adjacent the second face of the cheek plate at the arcs over which the discharge grooves are provided and in open communication with the outlet, and restricted passages being provided between the discharge grooves and the pressure pockets, which restricted passages are dimensioned to create a negligible pressure drop to the flow occurring at low pump speeds but to create a significant and increasing pressure drop at higher pump speeds, whereby the cheek plate will be deflected towards the rotor at low speeds to provide a minimal rotor-cheek plate clearance and will be less deflected at higher speeds to provide increased rotor cheek plate clearance.

CLASS 4A,

146515

Int Cl-B 64d 33/08

A TURBINE TYPE POWER PLANT HAVING AN ENGINE CASE AND A ROTOR ROTATABLY SUPPORTED THEREIN

*Applicant* UNITED TECHNOLOGIES CORPORATION, OF 1, FINANCIAL PLAZA, HARTFORD, CONNECTICUT 06101, U.S.A.

*Inventors* IRA HENRY REDINGER, DAVID SADOWSKY, PHILIP STANLEY STRIPINIS AND VINCENT PAUL LAURELLO

Application No 2114/Cal/76 filed November 25, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims

A turbine type power plant having an engine case and a rotor rotatably supported therein and seal means adjacent the tip of the rotor, gap controlling means for controlling the gap between the tip of the rotor and said seal means, characterized in that said gap controlling means includes squirting means for squirting cool air on the engine case and control means for turning on and off said cool air squirting means.

CLASS 32F,a

146516.

Int Cl -C07c 67/00, C07c 69/40

ESTERIFICATION OF HYDROCARBYL-SUBSTITUTED SUCCINIC ANHYDRIDES

*Applicant* SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. CAREL VAN BYLANDTIAAN 30, THE HAGUE, THE NETHERLANDS

*Inventors* DIRK JAN VAN NAMEN AND HENRIUS GEORGIUS PETER VAN DFR VOORT

Application No 352/Del/77 filed October 26, 1977

Convention date October 28, 1976/(44859/76) UK

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

#### 5 Claims

A process for preparing esters of hydrocarbyl-substituted succinic anhydride and pentaerythritol comprising reacting a hydrocarbyl-substituted succinic anhydride with pentaerythritol, characterized in that the reaction is carried out in a closed reaction vessel

CLASS 105D

146517

Int Cl -G01d 1/00

#### ROAD UNEVENNESS TESTER DEVICE

*Applicant* COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA

*Inventors* SARUP SINGH RUP, AUTAR KRISHEN BHAT, BHAGWAN DAS VED, SHYAMAL KUMAR MUKHERJEE AND GIRDHARI LALL CHANDEL

Application No. 697/Cal/76 filed April 23, 1976.

Complete Specification left July 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims.

A road unevenness tester device consisting of a trailer of a single wheel with a pneumatic tyre mounted on a frame towed by a vehicle, a means in the form of an integrator unit to integrate the unevenness of the pavement surface along the path picked up by the wheel and its vertical movement, the said integrator unit transmitting electrical impulses corresponding to the integrated unevenness of the surface to a series of electro-magnetic counters to give numerical reading expressed in terms of desired units of measurement of the unevenness of the said pavement surface.

CLASS 158D.

146518.

Int. Cl.-B61h9/04.

BRAKE CONTROL VALVE DEVICE WITH MOVABLE CONTROL RESERVOIR CHARGING VALVE.

*Applicant*: WESTINGHOUSE AIR BRAKE COMPANY, AT THREE GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

*Inventor*: RICHARD LOWELL WILSON.

Application No. 1756/Cal/76 filed September 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A fluid pressure controlled vehicle brake apparatus comprising, in combination :

a. a normally charged brake pipe, variations of the fluid pressure in which are effective to control brake applications and brake releases on the vehicle,

b. an auxiliary reservoir normally charged to the pressure carried in said brake pipe,

c. a control reservoir normally charged to the pressure carried in said brake pipe,

d. fluid pressure operated braking means for effecting a brake application on the vehicle, and

e. a fluid pressure operated brake control service valve device comprising :

(i) valve means operable to effect the supply of fluid under pressure from said auxiliary reservoir to said fluid pressure operated braking means and the release of fluid under pressure from said fluid pressure operated braking means to atmosphere,

(ii) a stem coaxially arranged with respect to said valve means for effecting the operation thereof,

(iii) a first movable abutment subject on one side to the pressure of fluid in said brake pipe and subject on the opposite side to the pressure in said control reservoir, said first movable abutment being operatively connected to said stem to effect its movement in one direction in response to a reduction in brake pipe pressure on said one side relative to control reservoir pressure on said opposite side to cause one end of said stem to operate said valve means to effect the supply of fluid under pressure from said auxiliary reservoir to said braking means to cause a brake application on the vehicle, wherein the improvement comprises :

(iv) control reservoir charging valve means carried on and so operable by said first movable abutment in response to said reduction in brake pipe pressure as to cut off charging of said control reservoir and in response to an increase in the pressure in said brake pipe to the pressure in said control reservoir to enable charging of said control reservoir, and

(v) a third movable abutment subject on one side to the fluid under pressure supplied by said valve means to said braking means and subject on the opposite side to atmos-

pheric pressure, said third movable abutment being so connected to said valve stem as to effect movement of said stem in a direction opposite said one direction in response to the force of fluid under pressure acting on said third abutment in said opposite direction slightly exceeding the fluid pressure force acting in said one direction on said first movable abutment to cause operation of said valve means to cut off flow of fluid under pressure from said auxiliary reservoir to said braking means without causing operation of said charging valve means to effect charging of said control reservoir, said first movable abutment being responsive to a subsequent increase in brake pipe pressure on said one side thereof to effect further movement of said stem in said opposite direction to cause said valve means to establish a venting communication whereby the fluid under pressure supplied to said braking means is released to atmosphere, and operation of said control reservoir charging valve means to enable charging of said control reservoir.

CLASS 107H.

146519.

Int. Cl.-F02m 41/14, F16k 15/04.

FUEL INJECTION PUMP AND REPLACEABLE CHECK VALVE THEREFOR.

*Applicant*: STANADYNE, INC., OF 92 DEERFIELD ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

*Inventors*: DANIEL EDWIN SALZGERBER, ROBERT RAUFEISEN AND CHARLES WADE DAVIS.

Application No. 556/Cal/77 filed April 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A liquid fuel injection pump for supplying measured charges of fuel to an internal combustion engine comprising a distributor rotor having a transverse bore and a pump chamber in which the charges are pressurized to high pressure for injection into the cylinders of said engine, a transfer pump, a passage for delivering the output of said transfer pump to said pump chamber through said transverse bore, and a replaceable check valve cartridge slidably mounted in said transverse bore, said check valve cartridge comprising a prefabricated integrated check valve assembly comprising a cylindrical barrel, a hollow valve seat secured to said barrel at one end therefore, a stop secured to the barrel at the other end thereof, a ball for seating on said valve seat, a closure piston slidably mounted within said barrel and engageable with said ball for seating the ball following the filling stroke of the pump chamber, means for connecting the output of said transfer pump to a cavity at the end of said piston to urge the piston in a direction to seat the ball and means for removably retaining and cartridge in said transverse bore.

CLASS 32F,b & 40B.

146520.

Int. Cl.-B01j 11/32.

PREPARATION OF METHACRYLIC ACID FROM MFTHACROLEIN AND ACRYLIC ACID FROM ACROLEIN.

*Applicant*: THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

*Inventors*: JAMES FERGUSON WHITE, AND MICHAEL DUANE APPLEQUIST.

Application No. 893/Cal/77 filed June 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims. No drawings.

In a process for the preparation of acrylic acid or methacrylic acid by the oxidation of acrolein or methacrolein, respectively, with molecular oxygen in the vapor phase at a reaction temperature of about 200°C to about 500°C in

the presence of an oxide catalyst and optionally in the presence of steam, the improvement comprising using a, a catalyst of the formula



wherein M is at least one element selected from the group consisting of iron, chromium, nickel, manganese, tellurium, palladium, antimony, rhodium, or mixture thereof,

X is a halogen selected from the group consisting of chlorine, bromine or iodine

and wherein a, b and c are numbers from 0.001 to 10, d is from 0 to 10,

e is from 0 to 5,

f is a positive number of oxygens required to satisfy the valence states of the other elements present.

CLASS 104F & J & 144E & E<sub>a</sub> 146521

Int Cl -C08c 7/18, C08f 45/02, C08k 1/00

#### PROCESS FOR FORMING A COMPOSITION THAT IS USEFUL AS AN ADDITIVE FOR POLYMERS

*Applicant* KENRICH PETROCHEMICALS, INC., AT THE FOOT OF EAST 22ND STREET, BAYONNE, NEW JERSEY 07002, U.S.A.

*Inventors* SAI VATORF JOSEPH MONTE, AND PAUL FASTENAU BRUINS

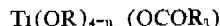
Application No 1239/Cal/77 filed August 10 1977

Division Application No 540/Cal/75 filed March 19, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims

A process for forming a composition that is useful as an additive for polymers characterised by reacting the surface of an inorganic material with a mixture of organo titanates represented by the formula I



wherein OR is a hydrolysolive group and  $(\text{OCOR}_1)_n$  is formed from an organic acid having from 6 to 24 carbon atoms and n is over 3 and not more than 35

CLASS 33F 146522

Int Cl -B22c 9/10

#### ELECTROMAGNETS IN HOT CORE BOX

*Applicant* TATA ENGINEERING & LOCOMOTIVE COMPANY LIMITED, JAMSHEDPUR, STATE OF BIHAR, INDIA

*Inventors* JIBAN KRISHNA GUHA BARMAN, VIJAY KANAND SHARMA AND GORA SENGUPTA

Application No 1426/Cal/77 filed September 21, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

#### 3 Claims

Means for facilitating the setting of the chill in the core box comprising

one or more electromagnets to hold the chill, power supply means for the electromagnets, a current sensing element in the power supply circuit comprising a transistor in the circuit which is influenced by the current being fed to the coils of the said electromagnets, an amplifier from the said transistor leading to the power supply and a compensator between the amplifier and the power supply unit so that at all times, losses of the magnetic force are compensated with increased supply of power in conformity with the influence of the sensor, such losses occurring as a result of variation of temperature in the core box, thereby controlling the power supply to the coils of the electromagnet to obtain uniform magnetic flux

#### OPPOSITION PROCEEDINGS

##### (1)

Opposition entered by Steelsworth Limited to the grant of a Patent on Application No 144426 made by Chong Min Ho and which was notified under this heading in Part III, Section 2 of the Gazette of India dated the 18th November 1978 has been treated as withdrawn

##### (2)

An opposition has been entered by Fenner (India) Limited to the grant of a patent on application No 145704 made by Kirloskar Oil Engines Limited

#### CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

##### (1)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No. 141461 (earlier numbered as 526/Cal/74) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 5th March, 1977 has been corrected to read as "Method and apparatus for producing homogenised metal billets and metal billets so produced" under section 78(3) of the Patents Act, 1970

##### (2)

The title of the invention in the application and specification as well as opening description of the specification for patent Application No 142828 (earlier numbered as 2774/Cal/74) the acceptance of the complete specification of which was notified in Part-III, Section 2 of the Gazette of India dated the 27th August 1977 has been corrected to read as "A module for use in a structural assembly" under Section 78(3) of the Patents Act, 1970

##### (3)

The title of the invention in the application, specification and also the opening description of the specification in respect of patent application No 142913 (earlier numbered as 684/Cal/75), the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 10th September 1977 have been corrected to read as "A boiler and a grate assembly for such a boiler" under Section 78(3) of the Patents Act 1970

##### (4)

The title of the invention in the application and specification as well as the opening description of the specification of Patent application No 142993 (earlier numbered as 1086/Cal/76) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 17th September 1977, has been corrected to read as "A process for manufacturing concrete and concrete obtained therefrom" under Section 78(3) of the Patents Act, 1970.

##### (5)

The title in the application specification of application for patent No 143011 (earlier numbered as 1903/Cal/74) made by DSO "TEXTII" the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 24th September 1977 has been corrected to read as "Method and device for producing shaped effect yarns with or without ladders" under Section 78(3) of the Patents Act, 1970

##### (6)

The title of the invention in the application and specification as well as opening description of the specification of Patent Application No 147016 (earlier numbered as 2213/Cal/75) the complete specification of which was notified in Part III Section 2 of the Gazette of India dated the 24th September 1977 has been corrected to read as "Improvements in or relating to the manufacture of grids for transmitting tubes having thoriated tungsten cathodes and grids thus obtained under Section 78(3) of the Patents Act 1970

## (7)

The title in the application and specification of application for patent No 143117 (earlier numbered as 2221/Cal/75) made by Nylex Corporation Limited the acceptance of the complete specification of which was notified in Part III Section 2 of the Gazette of India dated the 8th October 1977 has been corrected to read as "Support medium for biological treatment of sewage" under Section 78(3) of the Patents Act, 1970.

## (8)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No 143416 (earlier numbered as 2263/Cal/75) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 26th November 1977 has been corrected to read as "A prefabricated structure for use in the passage of water", under Section 78(3) of the Patents Act, 1970

## (9)

The title of the invention in the application and specification as well as the opening description of the specification of patent application No. 143417 (earlier numbered as 72/Cal/76), the complete specification of which was notified in Part-III, Section 2 of the Gazette of India dated the 26th November 1977 has been corrected to read as "Rail way car coupler and a lock lifter toggle", under Section 78(3) of the Patents Act, 1970.

## (10)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No 143480 (earlier numbered as 1542/Cal/75) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 3rd December, 1977 has been corrected to read as 'Tubular grinding mill end made of cast steel

with an incorporated journal and a method for making the same" under section 78(3) of the Patents Act, 1970

## (11)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No 143511 (earlier numbered as 27/Cal/75) the acceptance of the complete specification of which was notified in Part-III, Section 2 of the Gazette of India dated the 17th December 1977 has been corrected to read as "A method for refining iron-base metal" under Section 78(3) of the Patents Act, 1970.

## (12)

The title of the invention in the application & Specification as well as opening description of the specification of patent application No 143607 (earlier numbered as 1572/Cal/75), the complete specification of which was notified in Part-III, Section 2 of the Gazette of India dated the 31st December 1977 has been corrected to read as "A device for determining rate of infiltration of water in to soils" under Section 78(3) of the Patents Act, 1970.

## PATENT SEALED

143066 143083 143440 143571 143935 143962 144030  
144061 144089 144101 144102 144110 144117 144119 144120  
144126 144136 144139 144141 144144 144147 144158 144163  
144171 144184 144185 144188 144189 144192 144196 144197  
144200 144202 144204 144206 144216 144219 144220 144221  
144222 144223 144226 144227 144228 144231 144233 144241  
144255 144256 144257 144258 144263 144270 144271 144274  
144276 144279 144280 144285 144287 144293 144295 144296  
144301 144302 144303 144307 144312 144313 144327 144328  
144329 144333 144334 144337 144340 144341 144342 144343  
144348 144350 144352 144353 144355 144356 144365 144367  
144376 144383 144411 144423 144440 144450 144472 144507  
144579 144606 144640 144656 144848

## COMMERCIAL WORKING OF PATENTED INVENTIONS

## List No IX

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar Year 1977 generally on account of want of requests for licences to work the patented inventions Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purposes

S. No.	Patent No.	Date of Patent	Name and Address of Patentee	Brief title of the invention
1	2	3	4	5
1.	138365	8-9-1972	ALUMINIUM COMPANY OF AMERICA, of Aloca Building, Pittsburgh, Pennsylvania, U.S.A.	Recovery of Aluminium chloride from a gas containing gaseous aluminium chloride.
2.	138391	23-11-1972	STEETLEY (MFG) LIMITED of Gateford Hill, Workshop, Nottinghamshire, England.	Making magnesia.
3.	138392	29-11-1972	SNAMPROGETTI S P A. of 16 Corso Venezia, Milan, Italy.	Polymerisation of olefins.
4.	138396	6-4-1973	BRISTOL—MYERS COMPANY at 345 Park Avenue, New York, U.S.A	Production of relatively water insoluble crystalline form of cepalexin monohydrate.
5.	138401	8-5-1975	INDIAN JUTE INDUSTRIES RESEARCH ASSOCIATION, at 17, Taratala Road Calcutta, India.	Dye transfer characteristics and surface colour yields of textiles.
6.	138405	5-8-1972	PFIZER INC., of 135 East, 42nd st. New York, State of New York, U.S.A.	Transesterification of quinoxaline-2-Carboxylic acid esters
7.	138419	15-10-1973	-do-	Preparation of trisubstituted pyridine derivatives.
8.	138422	16-4-1973	-do-	Preparation of prostaglandins of the "One" series.

1	2	3	4	5
9.	138424	13-7-1973	AMERICAN HOME PRODUCTS CORPORATION, of 685, Third Avenue, New York, N.Y. 100 17, U.S.A.	Preparation of azaindole fused heterocyclic compounds.
10.	138425	—do—	—do—	—do—
11.	138426	—do—	—do—	—do—
12.	138427	—do—	—do—	—do—
13.	138428	—do—	—do—	—do—
14.	138449	9-1-1973	UNILEVER LIMITED, of Unilever House, Blackfriars, London E.C. 4, Engl. nd.	Preparation of black tea from green or unfermented tea.
15.	138450	16-7-1973	SNAMPROGETTI, S.P.A., of 16 Corso Venzia, Mil'n Italy.	Polymerisation of olefins.
16.	138462	29-12-1973	BRITISH STEEL CORPORATION, of 33 Grosvenor Place, London SWI England.	A method of steel m'king.
17.	138465	19-5-1973	HOECHST AG., of 6230 frankfurt/Main 80, F.R.G.	Preparation of Pesticidal compositions.
18.	138466	20-4-1972	HERCHEL SMITH, of 450 Garden Lane, Brynmawr, Pennsylvania, U.S.A.	Preparing A 16, 17-dihydroxygona 1,3,5 (10)—triene.
19.	138467	—do—	—do—	—do—
20.	138477	28-9-1973	PFIZER INC., of 235 East 42nd Street, New York, State of New York, U.S.A.	Preparation of di t-tic compositions.
21.	138478	20-4-1972	—do—	Preparation of amino-rylpyrimidin s.
22.	188490	19-9-1973	IMPERIAL CHEMICAL INDUSTRIES LTD., of Imperial Chemical House, Millbank, London S.W.I. Engl'nd.	Manufacture of prost noic acid derivatives.
23.	138507	6-11-1972	AMERICAN HOME PRODUCTS CORPORATION, of 685 Third Avenue, New York, N.Y. 10017, U.S.A.	Preparation of benzo-biocycloalkane compounds.
24.	138511	3-1-1974	THE WELLCOMF, FOUNDATION LIMITED, of 183-193 Euston Road, London N.W.1, England.	Preparing Pharmaceutical formation.
25.	138524	19-2-1975	KNOLL AG., of Ludwigshafen on Rhein, F.R.G.	Preparation of novel salt of N-Phenyl-N-benzyl-4-amino-1-methyl-piperidine.
26.	138549	22-1-1973	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20.	Detergent bars.
27.	138557	31-8-1973	IMPERIAL CHEMICAL INDUSTRIES LTD., at Imperial Chemical House, Millbank/London SWI England.	Manufacture of stable solutions of methylene bis(thiocyanate) useful to biocidal compositions.
28.	138559	2-11-1972	HOECHST AG. of 6230 Frankfurt/Main 80, F.R.G.	Preparation of novel monoazo reactive dyestuffs.
29.	138566	22-9-1972	PHILLIPS PETROLEUM COMPANY, at B'ntleville, Okl'nomia, U.S.A.	Production of terephthalic acid.
30.	138570	23-5-1973	HINDUSTAN LEVER LIMITED, at Hindustan lever House, 165/166 Backbay Reclamation, Bombay-20.	Hairspray composition.
31.	138577	15-11-1972	UNION CORPORATION (UK) LTD., at Princes House, 95 Coresham street, London FC 2V 7BC Engl'nd.	Process for chromothermic reduction of chromite.
32.	138591	16-4-1973	MONSANTO COMPANY, at 800 North Lindbergh Boulevard St. Louis, Missouri 63166, U.S.A.	Preparation of substituted phenols.
33.	138593	20-4-1972	PFIZER INC., of 235 East, 42nd Street, New York, State of New York, U.S.A.	Preparation of polyarylimidazoles and acid addition salts thereof.
34.	138599	12-9-1973	F. HOFFMANN-LA ROCHE & Co., AG, of 124-184 Grenzacherstrasse, Basle, Switzerl nd.	Manufacturing a fluorescent material.
35.	138602	9-3-1973	JOHN WYETH & BROTHER LIMITED, of Huntercombe Lane South, Taplow, Maidenhead, Berkshire, England.	Preparation of 4-amino quinoline derivatives.
36.	138604	20-4-1972	AMERICAN HOME PRODUCTS CORPORATION, of 685, Third Avenue, New York, New York 100 17, U.S.A.	Production of penicillin.
37.	138614	28-2-1973	SNAMPROGETTI S.P.A., of 16 Corso Venezia, Mil'n, Italy.	Oxidising olefins.

1	2	3	4	5
38.	138618	15-1-1973	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165/166 Back-bay Reclamation, Bombay-20.	Antiperspirent composition.
39.	138621	20-4-1972	SROFA SPOJENÉ PODNIKY etc., Praha, Czechoslovakia.	Production of N-[S-(6-purinyl) thioacetyl] amino compounds.
40.	138633	18-12-1972	HOECHST AG., of 6230 Frankfurt/Mains 80, F.R.G.	Preparation of new water-soluble reactive dyestuffs.
41.	138641	7-7-1973	AGENCE NATIONALE DE VALORISATION DE LA RECHERCHE (ANVAR) of 13, Rue Madelaine Michelin Neuilly Sur Seine (Hauts-De-Seine), France.	Obtaining an immunological product containing antibiotics effective to control intestinal infections.
42.	138642	22-10-1973	LOUISIANA STATE UNIVERSITY FOUNDATION, of Raflin G. Pleasant Hall, Louisiana State University Baton Rouge, Louisiana 70803.	Production of comestible digestible protein from cellulosic materials.
43.	138662	25-1-1974	PFIZER INC., of 235 East, 42nd St. New York, State of New York, U.S.A.	Production of 6 deoxytetracyclines
44.	138665	20-12-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAFFIJ B.V., of Carel van Bylandtlaan 30, 24 Hague, Netherlands.	Production of gases by incomplete combustion of hydrocarbons.
45.	138677	20-4-1972	HERCHEL SMITH, of 500 Chestnut lane, Wayne, Delaware county, Pennsylvania, U.S.A.	Preparation of gona-4, 9 dien-3 ones.
46.	138686	25-5-1973	SOLVAY & CIE, of 33 Rue du Prince Albert, B-1050, Brussels, Belgium.	Polymerisation olefins.
47.	138689	2-6-1973	OESTERREICHISCH-AMERIKANSCHE MAGNESIT AG., of Badenhein, Carinthia, Austria,	Production of sintered magnesia.
48.	138698	28-2-1973	THE ANACONDA COMPANY, of 25 Broadway, New York, State of New York, U.S.A.	Recovery of copper.
49.	138699	6-3-1973	AMERICAN HOMIL PRODUCTS CORPORATION, of 685 Third Avenue, New York, N.Y. 10017, U.S.A.	Preparation of novel phosphorylated penicillins.
50.	138700	—do—	THE ANACONDA COMPANY, of 25 Broadway, New York, State of New York, U.S.A.	Recovery of nickel.
51.	138705	28-9-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAFFIJ B.V. of Carel van Bylandtlaan, The Hague, Netherlands.	Production of gas by partial combustion and carburetting said gas.
52.	138729	3-3-1973	THE ANACONDA COMPANY, of 25 Broadway, New York, State of New York, U.S.A.	Recovery of metals.
53.	138739	30-5-1973	PFIZER INC., of 235 East 42nd Street, New York, State of New York, U.S.A.	Preparation of oxaprostaglandins.
54.	138740	25-3-1974	—do—	Production of $\alpha$ -6-deoxytetracyclines.
55.	138752	8-8-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAFFIJ B.V., of Carel van Bylandtlaan 30, The Hague, Netherlands.	Thermal Cracking of hydrocarbon mixtures.
56.	138754	20-4-1972	CHINOPHARMA etc., of Budapest, Hungary.	Preparation new homopyrimidazole derivatives & their salts.
57.	138759	3-5-1974	CIBA OIL INDIA LTD., of Aarey Road, Goregaon East, Bombay-63 Maharashtra state, India.	Manufacture of condensed pyrrole mercapto compounds.
58.	138789	6-7-1973	PFIZER INC., of 235 East, 42nd Street, New York, State of New York, U.S.A.	Preparation of 15 substituted- $\omega$ -pentanoprostaglandins.
59.	138801	4-3-1974	SHELL INTERNATIONALE RESEARCH MAATSCHAFFIJ B.V., Carel van Bylandtlaan 30, The Hague, Netherlands.	Combusting soot and other combustible constituents of an aqueous soot slurry.
60.	138817	23-7-1973	PFIZER INC., of 235 East, 42nd Street, New York, State of New York, U.S.A.	Preparation of 6- $\alpha$ amidino and imidoyl-amino - alkanoylamino-aracyl amino) penicillic acids.

1	2	3	4	5
61.	138819	19-12-1973	HOECHST AG., of 6230, Frankfurt/Mains 80, FRG.	Preparation of furan compounds.
62.	138826	16-11-1973	—do—	Manufacture of polyolesin.
63.	138835	11-6-1973	MONSANTO COMPANY, at 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Preparation of 1, 1, 2, 3 tetrachloreopropene from 1, 2, 3 trichloropropane.
64.	138853	30-4-1974	SADAYOSHI WATANABE, of 1247-25, Miyanormori, Cho-ku, Sapporo-shi, Hokkaido, Japan.	Producing paper making pulps from grasses.
65.	138855	31-7-1973	SOCIETE NATIONALE DES POUDRES ET EXPLOSIVES, of 12 Oai Henri—IV 75181, Paris Cedex 04, France.	Production of particulate plasticised nitrocellulose.
66.	138862	12-12-1972	HOECHST AG., of 6230 Frankfurt/Main 80, FRG.	Preparation of new water soluble reactive azo dyestuffs.
67.	138875	23-4-1974	UNION CARBIDE INDIA LIMITED, at J Middleton Street, Calcutta, India.	Manufacture of cyclopentadiene.
68.	138877	20-4-1972	PFIZER INC., of 235 East 42nd Street, New York, State of New York, U.S.A.	Preparation of oxindole carboxamide compounds.
69.	138878	23-4-1974	UNION CARBIDE INDIA LIMITED at 1, Middleton St. Calcutta, India.	Stabilising dicyclopentadiene.
70.	138879	28-2-1973	SNAMPROGETTI S.P.A., of 16 Corso, Venezia, Milan Italy.	Oxidising olefins.
71.	138881	29-11-1973	—do—	Polymerization of olefins.
72.	138882	16-7-1973	—do—	—do—
73.	138883	12-12-1972	HOECHST AG., of 6230 Frankfurt/Main 80 FRG.	Preparation of novel water soluble reactive azo dyestuffs.
74.	138884	—do—	—do—	—do—
75.	138885	—do—	—do—	—do—
76.	138886	23-4-1974	UNION CARBIDE INDIA LIMITED, of 1, Middleton St. Calcutta, India.	Conversion of cyclopentadiene into dicyclopentadiene.
77.	138917	7-12-1973	THE LUBRIZOL CORPORATION, at P.O. Box 3057, Euclid Station, Cleveland, Ohio 44117, U.S.A.	Preparation of phosphonodithioic acid.
78.	138921	1-10-1973	AMERICAN HOME PRODUCTS CORPORATION, of 685 Third Avenue, New York, State of America 10017, U.S.A.	Preparing compositions for reducing blood cholesterol.
79.	138923	20-4-1972	HOECHST AG., of 6230, Frankfurt/Main 80 FRG.	Preparation N- Furfuryl-5-sulfanyl anthranilic acid.
80.	138928	15-4-1974	HINDUSTAN LEVER LTD., at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20.	Cosmetic skin moisturising composition.
81.	138940	18-7-1974	IMPERIAL CHEMICAL INDUSTRIES LTD., at Imperial Chem. House, Millbank, London, SWI, England.	Manufacture of prostanoic acid derivatives.
82.	138944	20-4-1972	BRISTOL—MYERS COMPANY, a- 345 Park Ave., New York, State of New York, U.S.A.	Preparation of hetacephalexin.
83.	138952	3-5-1973	CIBA-GEIGY AG., of 141 Klybeckstrasse, Basle, Switzerland.	Manufacture of substituted chloroacetanilides
84.	138955	25-3-1974	HOECHST AG., of 6230 Frankfurt/Main 80 FRG.	Stabilising dispersions of 2-alkyl-4,6-dinitrophenol esters.
85.	138958	21-2-1973	UNION CARBIDE CORPORATION, of 271 Park Avenue, New York, State of New York, U.S.A.	Production of 3-hydroxyindone compounds.
86.	138964	30-10-1973	SNAMPROGETTI S.I.A., of 16 Corso Venezia, Milan, Italy.	Fructose or a syrup containing glucose and fructose.
87.	138966	31-5-1973	PFIZER INC., of 235 East 42nd Street, New York, State of New York, U.S.A.	Preparation of N-substituted prostaglandin carboxamides.
88.	138968	1-8-1974	HOECHST AG., of 6230 Frankfurt/Main 80 F.R.G.	Preparation of homothiochromanyl (di-thiophosphoric (Phosphonic) acid esters.
89.	138971	12-2-1973	HOECHST AG., of 6230 Frankfurt/Main 80 F.R.G.	Shaped articles made of thermoplastic moulding composition on the basis of polyoxymethylene.
90.	138973	13-6-1973	SNAMPROGETTI S.P.A., of 16 Corso Venezia, Milan, Italy.	Preparation of olefin copolymers.

1	2	3	4	5
91.	138983	3-1-1973	INSTITUTE NATIONALE DE LA RECHERCHE AGRONOMIQUE, of 149, Rue De Grenelle, Paris 7 ÈME, France and CENTRO nacional de investigaciones IEIFICAS, of Cuba Nacan Maria no, La Habana, Cuba.	Process for obtaining rennet solution.
92.	139007	20-4-1972	THE WELLCOME FOUNDATION LIMITED, of 183-193 Euston Road, London N.W.1, England.	Preparation of 2, 4, Diamino-5-benzylpyrimidines.
93.	139015	28-2-1974	HOECHST AG., of 6230 frankfurt/Main 80, F.R.G.	Preparation of oxamides.
94.	139032	25-1-1974	C.S.I.R., of Rafi Marg, New Delhi-1, India.	Preparation of agarose from indigenous agar.
95.	139035	20-4-1972	F. HOFFMANN-LA ROCHE & CO., AG of 124-184 Grenzacherstrasse, Basle, Switzerland.	Manufacture of tricyclic secondary amines.
96.	139040	11-4-1973	JNCO EUROPE LIMITED (formerly known as INTERNATIONAL NICKEL LIMITED) of Thomas House, Mill bank, London, SWIP 40 F, England.	Method of producing nickel-base heat-resistant alloys and articles therefrom.
97.	139078	26-11-1974	IMPERIAL CHEMICAL INDUSTRIES LTD., at Imperial Chemical House, Millbank, London, SWI, England.	Manufacture of morpholine derivatives.
98.	139095	20-4-1972	HERCHEL SMITH, of 450, Garden Lane, Brynmawr, Pennsylvania, U.S.A.	Preparation of 13-ethylgon-4-enes.
99.	139096	—do—	—do—	—do—
100.	139097	—do—	—do—	—do—
101.	139106	13-7-1973	SNIMTROGETTI S.P.A., of 16 Corso Venezia, Milan, Italy.	Polymerisation of olefins.
102.	139110	22-5-1973	CHINOIN GYOGYSZER-ES VEGYSZETI TERMÉKEK GYARA RT, of 1-5, to utca, Budapest IV, Hungary.	Preparation of benzimidazole derivatives.
103.	139115	6-11-1973	SNAMPROGETTI S.P.A., of 16 Corso Venezia, Milan, Italy.	Recovering ammonium salts of organic acids.
104.	139118	27-10-1973	LONE STAR STEEL COMPANY, at 2200 w. Mockingbird Lane Ropes, Dallas, Texas, U.S.A.	Removal of particulate matter and acidic gases from carrier gases.
105.	139121	14-2-1974	LABAZ, of 39, Avenue pierre ler de Serbie 75008 Paris, France.	Preparation of novel indole derivatives.
106.	139129	20-4-1972	PFIZER CORPORATION, of calle 1s 1/2, Avenida santa Isabel Colon, Republic of Panama.	Preparation of amino-alkyl-tetrahydroquinolines.
107.	139130	20-4-1972	AMERICAN HOME PRODUCTS CORPORATION, of 685 Third Avenue, New York, 10017, U.S.A.	Preparation of penicilline derivatives.
108.	139134	20-4-1972	IMPERIAL CHEMICAL INDUSTRIES LIMITED, at Imperial Chemical House, Millbank, London SWI, England.	Manufacture of 1-acylanino phenoxy-3-amino-2-propanol derivatives.
109.	139135	—do—	—do—	—do—
110.	139136	26-9-1975	C.S.I.R. Rafi Marg, New Delhi, India.	Isolation of diosgenin from plant material.
111.	139162	17-4-1973	AMERICAN HOME PRODUCTS CORPORATION, of 685 Third Avenue, New York, New York 10017 USA.	Preparation of semi-synthetic penicilline.
112.	139164	29-5-1973	LABAZ OF 39, Avenue Pierre ler de Serbie 75008, Paris, France.	Preparation of novel acetamide derivatives.
113.	139167	20-4-1972	HERCHEL SMITH, of 500 Chestnut Lane, Wayne, Delaware County, Pennsylvania, U.S.A.	Preparation of steroid ketone.
115.	139173	2-1-1973	HOECHST AG., of Frankfurt/Main 80, F.R.G.	Preparation of novel monoazo dyestuffs fast to heat.
116.	139181	31-1-1974	THE WELLCOME FOUNDATION LIMITED, of 183-193 Ruston Road, London N.W.1, England.	Preparation of pteridine derivatives.
117.	139182	21-11-1973	SNAMPROGETTI S.P.A., of 16 Corso Venezia, Milan, Italy.	Removing vinyl aromatic hydrocarbons.
118.	139193	24-2-1973	CHEMICAL SEPARATIONS CORPORATION, at 795 Oak Ridge Turnpike, Oak Ridge, State of Tennessee, U.S.A.	Continuous process for producing an ammonium nitrate containing fertiliser material.

1	2	3	4	5
119.	139199	20-4-1972	CIBA-GEIGY OF INDIA LTD., of Aarey Road, Goregaon East, Bombay, Maharashtra, India.	Manufacture of azo-bicyclo aliphatic compounds.
120.	139205	18-7-1973	SNAMPROGETTI S.P.A., of 16 Corso Venezia, Milan, Italy.	Hydrogenating diolefinic hydrocarbons to mono-olefinic hydrocarbons.
121.	139206	6-8-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., of Carel van Bylandtlaan 30, The Hague, Netherlands.	Production of hydrogen rich gas from carbon monoxide and hydrogen containing gases.
122.	139208	19-3-1974	SNAMPROGETTI S.P.A., of 14 corso Venezia, Milan, Italy.	Purification of urea solution.
123.	139212	19-9-1974	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., of Carel van Bylandtlaan 30, The Hague, Netherlands.	Production of syntheses gas.
124.	139215	20-4-1972	CIBA-GEIGY OF INDIA LTD., of Aarey Road, Goregaon E., Bombay-63, Maharashtra state India.	Manufacture of azobicyclo aliphatic compounds.
125.	139216	28-2-1973	SNAMPROGETTI S.P.A., of 16 Corso Venezia, Milan, Italy.	Production of aluminium chloro-hydroxides
126.	139231	25-5-1973	UNION CARBIDE INDIA LTD., at 1/ Middleton St. Calcutta, India.	Manufacture of sorbic acid and its alkali metal salts.
127.	139235	19-10-1973	JOHN WYETH & BROTHER LIMITED, of Huntercombe Lane South, Taplow, Maidenhead, Berkshire, England.	Preparation of novel pyridine derivatives.
128.	139237	13-3-1974	EMHART (U.K.) LIMITED, of Crompton Road, Wheatley Doncaster, Yorkshire, England.	Control system for cyclic processes
129.	139256	18-7-1973	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20 India.	Tooth Pastes.
130.	139257	—do—	—do—	A visually clear tooth-paste.
131.	139259	26-12-1973	BRISTOL—MYERS COMPANY, at 345 Park Avenue, New York, State of New York, U.S.A.	Preparation of 3-thiolated-7-acylamidocephalosporinic acid derivatives.
132.	139261	23-1-1973	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20.	Hydrogenating poly unsaturated fatty acids.
133.	139264	21-2-1973	AZIENDE CHIMICHE RIUNITE ANGELINI FRANCESCO S.P.A., of Viale Amelia 70, Rome, Italy.	Preparation of substituted 1-benzyleindazole-3-carboxylic acids.
134.	139265	23-11-1973	PFIZER INC., of 235 East, 42nd Street, New York, State of New York, U.S.A.	Preparation of w-pentnorprostaglandins.
135.	139273	3-3-1972	SOLVAY & CIE, of 33 Rue du Prince Albert, B-1050, Brussels, Belgium.	Stereospecific polymerisation of alphaolefins
136.	139281	20-4-1972	DR. KARL THOMAE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, of Biberach An Der Riss, F.R.G.	Preparation of dihalogeno-amino-benzyl amines.
137.	139288	12-2-1974	METALLGESELLSCHAFT AG., of Frankfurt/Main, Renterweg, 14, West Germany	Mercury cell for the electrolyses of alkali metal chlorides.
138.	139293	13-2-1974	INDIAN EXPLOSIVES LIMITED, of 34 Chowringhee Calcutta-700071, India.	Sensitised dry blasting compositions and their method of preparation.
139.	139297	20-9-1972	ASTA WERKE AG., of 79-91 Bielefelder Strasse, Brackwede/West falen, West Germany.	Production of new cyclic urea derivatives salts thereof.
140.	139301	26-3-1973	C.S.I.R., at Rafi Marg, New Delhi-1, India.	Production of spongy iron.
141.	139317	18-6-1973	BRIDGESTONE TIRE CO. LTD., of 1, 1-Chome, Kyokashi, Chuo-ku, Tokyo, Japan.	Composite of a metallic material and vulcanised rubber.
142.	139318	20-4-1972	JOHN WYETH & BROTHER LIMITED, of Huntercombe Lane south, Taplow, Maidenhead, Berkshire, England.	Preparation of new hexahydroazepin derivatives.
143.	139321	19-7-1973	HOECHST AG., of 6230, Frankfurt/Main 80, F.R.G.	Preparation of novel water soluble monoazo dyestuffs,
144.	139337	7-8-1973	PHILLIPS PETROLEUM COMPANY, of Bartlesville, State of Oklahoma, U.S.A.	Continuous slurry process for the formation of aromatic poly carboxylic acids.
145.	139346	4-12-1972	MUNDIPHARMA AG., at Bahnofstrasse 26, Ch 4310 Rheinfelden, Switzerland.	Preparation of pharmaceutical composition containing unsubstituted or cylorine substituted salicylate.

1	2	3	4	5
146.	139349	22-2-1971	ELI LILLY CO., of 307 East, Mc Carty Street, Indianapolis, State of Indiana, U.S.A.	Preparation of 3 halo cephalosporins
147.	139365	30-10-1972	THE UPJOHN COMPANY, of 301 Henrietta Street, Kalamazoo, Michigan, USA	Improvements in or relating to pharmaceutical devices.
148.	139371	18-9-1973	STRATEGIC MEDICAL RESEARCH CORPORATION, of 1655 West Jackson Boulevard, Chicago, Illinois 60612, U.S.A.	Preparation of an etherally substituted monosaccharides.
149.	139383	22-6-1973	UNILEVER LIMITED, of Unilever House, Blackfriars, London E.C. 4, England	Preparation of composite tea product.
150.	139385	20-11-1973	ELI LILLY CO., of 740 South Alabama Street, Indianapolis, State of Indiana, U.S.A.	Preparation of 3-hydroxy cephalosporins

## RENEWAL FEES PAID

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 100023 100024 100117 100215 100224 100242 100243 100289  
 100293 100711 100712 103050 105404 105406 105461 105620  
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 131682 131684 131852 131859 131939 131940 132008 132081  
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 136014 136108 136179 136269 136293 136367 136489 136809  
 136903 137153 137259 137809 138330 138423 138487 138542  
 138671 138842 138894 138901 139020 139233 139247 139277  
 139317 139498 139579 139636 139832 139896 139985 140512  
 140755 140756 140801 141027 141225 141372 141545 141575  
 141589 141781 141826 142147 142165 142166 142290 142388  
 142443 142451 142473 142480 142822 142906 142936 143002  
 143032 143174 143365 143470 143762 143803 144072

## CESSATION OF PATENTS

127363 127365 127375 127382 127388 127389 127397 127414  
 127415 127438 127451 127456 127462 127464 127484 127485  
 127488 127491 127500 127519 127529 127537 127538 127544  
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 127706 127707 127716 127717 139840 141324

## RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 134556 granted to Ernst Jacobi & Co. Kg. for an invention relating to "sliding current conductor for cleaning apparatus for textile machinery". The Patent ceased on 9th Feb. 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 24th February 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 23rd August 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 134848 granted to Jagat Panjabhai Palkhiwala for an invention relating to "differential mechanism".

The Patent ceased on the 6th March 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 7th April 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 23rd August 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 138279 granted to Ram Narnin Kher for an invention relating to "improvements in or relating to air cooler".

The Patent ceased on the 4th April 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 7th April 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 23rd August 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142119 granted to Pont-A-Mousson S.A. for an invention relating to "a machine for centrifugally casting pipes in a rotary mould".

The Patent ceased on the 8th Aug. 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 7th April 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 23rd August 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 143151 granted to Macneill & Barry Limited for an invention relating to "An electrostatic photocopying machine".

The Patent ceases on the 26th Sept. 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 7th April 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 23rd August 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (6)

Notice is hereby given that an application for restoration of Patent No. 141832 dated the 16th Sept. 1974 made by Mrs. Nirmala Agarwal on the 15th June 1978 and notified in the Gazette of India, Part III, Section 2 dated the 26th Aug. 1978 has been allowed and the said patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 147042. Applied Electronics Limited, A company incorporated under the provisions of Indian Companies Act, of 'Aplab House', A-5, Wagle Industrial Estate, Thane-400604, State of Maharashtra, India. "Seven segment display". May 6, 1978.

Class 1. Nos. 147047 to 147049. Hargovindbhai Ambalal Patel, an Indian National, residing at 1360, Jalkukadi's Pole, Raipur, Ahmedabad-380 001, (Gujarat State), India. "Magnetic Board for educational purpose". May 8, 1978.

Class 1. No. 147058. Amar Metal Industries, an Indian sole proprietors firm of 48/1009, Azad Nagar-3, Varsova Road, Andheri (West), Bombay-400 058, Maharashtra, India, "Razor". May 11, 1978.

Class 1. Nos. 147067 & 147068. Star Hardware Mfg. Co., 105/220, Chamanganj, Kanpur (U.P.), an Indian Partnership concern. "Latch". May 12, 1978.

Class 1. Nos. 147071 & 147072. M/s. Prakash Sanitations, Indian Partnership firm having their office at 20/24, Shahid Bhagatsingh Road, Opposite Old Custom House, Fort, Bombay-400 923, State of Maharashtra, India. "Shower-Baths". May 15, 1978.

Class 1. Nos. 147080 & 147081. M/s. Mecfit Engineering Works, an Indian Partnership Concern, 43, Manohar Market, Hauz Qazi, Delhi-110006. "Mortice handle washer". May 16, 1978.

Class 1. No. 147082. Westfield Industries, of 296, P. Nariman Street, 3rd Floor, Sangli Bank Building, Fort, Bombay-400001, State of Maharashtra, India, a partnership firm registered under Indian Partnership Act. "Container". May 16, 1978.

Class 1. Nos. 147095 & 147096. M/s Mecfit Engineering Works, an Indian Partnership Concern, of 43, Manohar Market, Hauz Qazi, Delhi-110006. "Mortice handle". May 18, 1978.

Class 1. No. 147100. Iqbal Ali Ansari, (2) Asif Ali Ansari and (3) Mushtaq Ali Ansari, Indians, trading in partnership under the firm name and style of Rose Products, Behind Iqbal Manzil, Dr. Ambedkar Road, Parel, Bombay-12, "Steering Horn Ring". May 18, 1978.

Class 1. No. 147101. Bhagat Ram Sole Proprietor of Rakkol Electric Company, A23 Double Storey, Idd Gah Road, Delhi, Indian National. "Press Handle" May 19, 1978.

Class 1. No. 147103. Sarder Ahmed Sole Proprietor of Mahabharat Electricals, 3483/16, Phatak Darungha Abdul, Aziz Sirki Walan, Delhi, Indian National. "Cover for heater". May 19, 1978.

Class 1. No. 147104. Mahindra Electro-Chemical Products Ltd., 145, Bombay-Poona Road, Poona-411 918, Maharashtra State, India, an Indian Company "Cable crimping tool". May 20, 1978.

Class 1. No. 147109. Sales Development Services, Jeevan Deep Building, 5th Floor, Parliament Street, New Delhi-110001, an Indian Proprietary concern. "Bolt". May 23, 1978.

Class 1. No. 147114. Ruby Brass Industries, Nai Basti, Bajaran Street, Moradabad-244001, Uttar Pradesh, India, An Indian Partnership Concern. "Hukka". May 24, 1978.

Class 1. No. 147115. Syed. Maqsood, An Indian National, trading as : Bharat Stove & Light House, Chowk Bazar, Roopkee (U.P.), India, Indian National, "Lamp". May 24, 1978.

Class 1. No. 147119. Zahoor Ahmed, An Indian National, trading as Prince Industries, 1256, Mahal Sarai, Haveli Hissnuddin, Balli Maran, Delhi-6, "Toy". May 30, 1978.

Class 1. No. 147120. Jaswant Singh, An Indian National, trading as National Trading Co., 3/63, Geeta Colony, Gandhi Nagar, Delhi-31. "Cash Box". May 30, 1978.

Class 1. No. 147123. Keity Housing Vandrewala, an Indian Citizen, Trading as : Van & Co., having office at Van Garden, Vashier Bulsar (W. Rly.), Gujarat, India. "Balance/tie rod". May 31, 1978.

Class 1. Nos. 147147 & 147148. Sethi Cutlery Works, C-205, Naraina Industrial Area, Phase No. 1, New Delhi-28, an Indian Partnership Firm. "Knife" June 1, 1978.

Class 1. No. 147149. Kamalnain Kedarnath Gupta, Indian National, of 20, Jeenabhai Mulji Rathode Marg & Hussain Patel Marg, Mazgaon, Bombay-400 010, Maharashtra, India. "Tray". June 1, 1978.

Class 1. No. 147205. Tiruponithora Venkataraman Ananthanaryanan, of 74/75, Arya Gowder Road, West Mambalam, Madras-600 033, Tamil Nadu, India, an Indian National. "A carrier for use in motor-bikes, scooters, bicycles and the like". June 13, 1978.

Class 1. Nos. 147243 & 147244. Premier Enterprises, Chowki Hasan Khan, Moradabad (U.P.), (a firm duly registered under the Indian Partnership Act). "Hukka". June 23, 1978.

Class 1. No. 147265. Narendra Brothers, 2E/22, Jhandewalan Extension, New Delhi-110055, an Indian Partnership Concern. "Pen stand". July 1, 1978.

Class 1. No. 147268. Manik Metals & Trading Company Private Limited, An Indian Company duly registered and incorporated under the Companies Act, 1956 at 122-124-A, Jilly Maker Chambers No. 2, Nariman Point, Bombay-400 021, Maharashtra, India. "A frame for tiffin carrier". July 3, 1978.

Class 1. No. 147269. Manik Metals & Trading Company Private Limited, An Indian Company duly registered and incorporated under the Companies Act, 1956, at 122-124-A, Jilly Maker Chambers No. 2, Nariman Point, Bombay-400021, Maharashtra, India. "A tiffin carrier". July 3, 1978.

Class 3. No. 147044. Prakash Plastics, 207, Unique Industrial Estate, Prabhadevi Road, Bombay-400025, Maharashtra State, an Indian Proprietary Firm. "Electric pin plug". May 8, 1978.

- Class 3. No. 147045 & 147046. Prakash Plastics, 207, The Industrial Estate, Pashupati Devi Road, Bombay-400025, Maharashtra State, an Indian Proprietary Firm. "Electric plug". May 8, 1978.
- Class 3. No. 147053. Bikram Vaish, of 25, Hanuman Road, New Delhi-110001, India, an Indian National. "Lighter". May 11, 1978.
- Class 3. No. 147052. Bombay Burma Plastic, an Indian Partnership firm of 119, Adhyaru Industrial Estate, Sun Mill Road, Lower Parel, Bombay 400 013, Maharashtra, India. "Cinevision" May 11, 1978.
- Class 3. No. 147060. Rexwell Photocine Equipments, an Indian Partnership firm of 239, Dr. D. N. Road, Fort, Bombay-400 001, Maharashtra, India. "Teachgun bulb adapter". May 1, 1978.
- Class 3. No. 147061. Bombay Burma Plastics, an Indian Partnership firm, of 119, Adhyaru Industrial Estate, Sun Mill Road, Lower Parel, Bombay-400 013, Maharashtra, India. "Cassette of cine films". May 11, 1978.
- Class 3. No. 147073. M/s. Prakash Sanitations, Indian Partnership firm, at 20/24, Shahid Bhagat Singh Road, Opposite Old Custom House, Fort, Bombay-400 023, State of Maharashtra, India. "Shower-baths". May 15, 1978.
- Class 3. No. 147074. (1) Prakash Hiralal Kothari (2) Pushpaben Hiralal Kothari and (3) Viren Hiralal Kothari, Indian Nationals and partners in the Firm of Messrs. Prakash Sanitations a firm registered under the Indian Partnership Act, at 20/24, Shahid Bhagat Singh Road, Opposite Old Customs House, Fort, Bombay-400 023, State of Maharashtra, India. "Shower-baths". May 15, 1978.
- Class 3. Nos. 147087 & 147088. General Equipment Merchants Limited, 2/90, Connaught Circus, New Delhi-110001, India, An Indian Company. "Container". May 17, 1978.
- Class 3. No. 147089. Pramod Kumar, Rajiv Gupta and Vijay Sharma, trading as : Plastic & Metal Devices (India), H-172, Ashok Vihar, Delhi-110052, (An Indian Partnership Firm) Indian Nationals. "Pencil sharpner". May 17, 1978.
- Class 3. No. 147121. Kanwal Brush Factory, B-238, Naraina Industrial Area, Phase-I, New Delhi, Union Territory of India, India, a partnership concern. "Brush". May 30, 1978.
- Class 3. No. 147124. Nibha Plastics, An Indian Registered Partnership Firm, at 238, Nagdevi Street, Bombay-400003, Maharashtra, India. "Ice-cum-water pail". May 31, 1978.
- Class 3. No. 147125. Prafulvadan Ratilal Mehta, An Indian Citizen, Saki Vihar Road, B. D. Joshi Marg, Powai, Bombay-400 072, Maharashtra, India. "Moulded strip". May 31, 1978.
- Class 3. No. 147126. Vashumal Sunder, An Indian Citizen, 305, Abdul Rohman Street., Bombay-400 003 Maharashtra, India. "Juicer". May 31, 1978.
- Class 3. No. 147202. Murshed Ali Khan, an Indian Citizen, 516, Khambatia Bldg., Room No. 14, 2nd Floor Victoria Garden Road, Bombay-400 008, Maharashtra, India. "A bottle". June 12, 1978.
- Class 3. No. 147203. Murshed Ali Khan, an Indian Citizen, 516, Khambatia Bldg., Room No. 14, 2nd Floor Victoria Garden Road, Bombay-400 008, Maharashtra, India. "A Closure". June 12, 1978.
- Class 3. No. 147217. M. S. Corporation, Unit No. 59, Industrial Estate 2nd Floor, Pawan Baugh S. V. Road, Malad Bombay-64, Maharashtra State, an Indian Partnership Concern. "Horn for Cars". June 13, 1978.
- Class 3. No. 147219. Sindhu Plastic Industries, A-61/1, G.T. Karnal Road, Industrial Area, Delhi-110033, an Indian Partnership Concern. "Plastic jug". June 13, 1978.
- Class 3. No. 147222. Convey Invest AB, of P.O. Box 1145, Hantverksgatan 7, S-43600 Askim, Sweden, a Swedish Joint Stock Company. "A pallet". June 15, 1978.
- Class 3. No. 147224. Kailash Brush Factory, 5628-Gandhi Market, Sadar Bazar, Delhi-110006, India, an Indian Partnership Firm. "Tooth Brush". June 15 1978.
- Class 3. No. 147258. Pramod Kumar, Proprietor of Plastic & Metal Devices (India) H-172, Ashok Vihar, Delhi-110052, India, An Indian National. "Pencil sharpner". June 29, 1978.
- Class 3. No. 147259. Hindustan Lever Limited, Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-400 020, Maharashtra State, Indian, a Company Incorporated in India. "Bottle". June 29, 1978.
- Class 3. No. 147273. Asnani Industries, Kulin Industrial Estate, Mirchi Galli, Bombay-400002, Maharashtra, an Indian Proprietary firm. "Brush". July 3, 1978.
- Class 3. No. 147274. Asnani Industries, Kulin Industrial Estate, Mirchi Galli, Bombay-400002, Maharashtra, an Indian Proprietary firm. "Ash-tray". July 3, 1978.
- Class 3. No. 147302. Adgifts India, 3/23, Kamal Mansion, Arthur Bunder Road, Colaba, Bombay-400005, Maharashtra State, an Indian Partnership Firm. "Paper weight-cum-magnetic pin rest". July 5, 1978.
- Class 4. Nos. 147307 & 147308. Pylon Electrical Industries 13, Baidha Nath Mallik Lane, Calcutta-7, West Bengal, Indian Proprietary Concern. "Electrical cut out". July 6, 1978.
- Class 4. No. 147324. Tripata Trading Company, New Market, 1st Floor, Bombay-400 002, State of Maharashtra, India, an Indian Proprietary Concern. "Bottle". July 10, 1978.
- Class 6. No. 147247. Polar Auto and Engineering Industries Pvt. Ltd., (12A, Okhla Industrial Estate, New Delhi-110020) 33/1, Rajinder Nagar, New Delhi, (India) An Indian Company. "Seat". June 24, 1978.
- Class 10. No. 147007. Eastern Traders, B-48, Naraina Industrial Area, Phase-II, New Delhi-110028, An Indian Partnership Firm. "Footwear". May 1, 1978.
- Class 10. No. 147008. Eastern Traders, B-48, Naraina Industrial Area, Phase-II, New Delhi-110028, An Indian Partnership Firm. "Footwear". May 1, 1978.
- Class 10. No. 147204. Carona Sahu Co. Limited, an Indian Company duly registered under Companies' Act., at 221, Dr. D. N. Road, Fort Bombay-400 001, Maharashtra, India. "A footwear". June 12, 1978.
- Class 10. No. 147305. Carona Sahu Co., Limited, an Indian Company duly registered under Companies' Act., at 221, Dr. D. N. Road, Fort, Bombay-400 001, Maharashtra, India. "A footwear". July 6, 1978.
- Class 12. No. 147216. Mahesh Manubhai Shah, an Indian National, residing at 25, Sampatrao Colony, Vadodara-390005, (Gujarat State), India. "A device for measuring human blood pressure". June 13, 1978.
- Class 12. No. 147306. Mahindra Electro-Chemical Products Ltd. 145, Bombay Poona Road, Poona-311 018, Maharashtra State, India, Indian Company. "Epoxy cable terminations". July 6, 1978.

S. VEDARAMAN,  
Controller-General of Patents, Designs  
and Trade Marks.

